

Amendments to the Abstract:

Please revise the Abstract as follows:

A2
Actuators in a deformable mirror are enabled and disabled by switches electrically coupled between the actuators and at least one reference node. For controlling the actuators, a deformable mirror driver electronics system may comprise the switches and other electronic components, such as an amplifier, processor, digital-to-analog converter, and interface. Multiple components may be employed to provide parallel functions to operate the deformable mirror in zones. A processor routine executed by the processor may be employed to coordinate and protect the amplifier, switches, and actuators. ~~The processor routine comprises high and low power imaging modes. The electronics may be packaged with the deformable mirror in a bezel having separable mechanical and electrical sub-assemblies that are field replaceable. The multiplexer deformable mirror subsystem may be integrated with other adaptive optics subsystems to close an adaptive optics loop, thus forming a multiplexer adaptive optics system. Network communications can be conducted between subsets of the adaptive optics system and a remote system to perform remote calibration or even remote control of the deformable mirror subsystem. The multiplexer adaptive optics system may be integrated into larger systems, such as a space-based telescope.~~